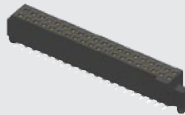
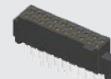


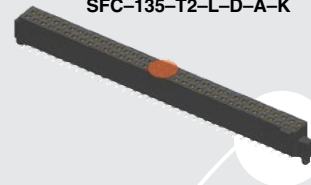
SFC-120-T2-L-D-A



SFC-110-T1-L-D-A



SFC-135-T2-L-D-A-K



(1.27 mm) .050"

SFC SERIES

# COST-EFFECTIVE RELIABLE SOCKET

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?SFC](http://www.samtec.com?SFC)

**Insulator Material:** Black Liquid Crystal Polymer

**Contact Material:** Phosphor Bronze

**Plating:** Au or Sn over 50 μ" (1.27 μm) Ni

**Current Rating:** 3.1 A per pin (2 pins powered)

**Voltage Rating:** 350 VAC mated with TFC

**Operating Temp Range:** -55 °C to +125 °C

**Insertion Depth:** (3.05 mm) .120" to (4.06 mm) .160"

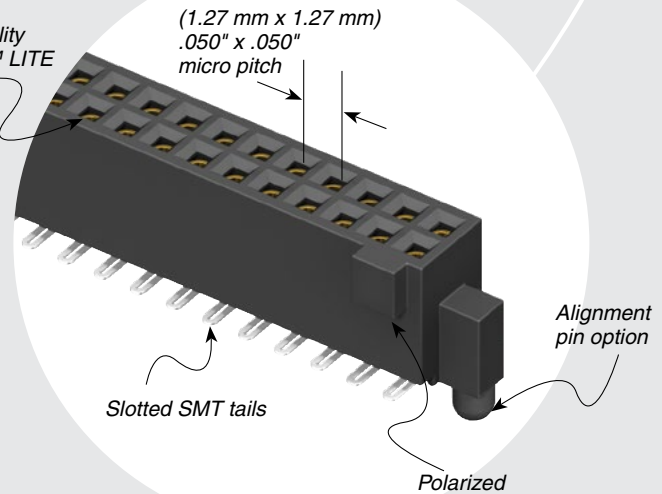
**Max Cycles:** 10,000 with 30 μ" (0.76 μm) Au

**RoHS Compliant:** Yes

**Board Mates:** TFC

**Cable Mates:** TFS, TFS-D

High-reliability Tiger Eye™ LITE contacts



(1.27 mm x 1.27 mm) .050" x .050" micro pitch

Slotted SMT tails

Alignment pin option

Polarized

## HIGH-SPEED CHANNEL PERFORMANCE

Rating based on Samtec reference channel. For full SI performance data visit [Samtec.com](http://Samtec.com) or contact [SIG@samtec.com](mailto:SIG@samtec.com)

8 Gbps

## PROCESSING

**Lead-Free Solderable:** Yes

**SMT Lead Coplanarity:** (0.10 mm) .004" max (04-25) (0.15 mm) .006" max (30-50)\*

\*(.004" stencil solution may be available; contact [IPG@samtec.com](mailto:IPG@samtec.com))

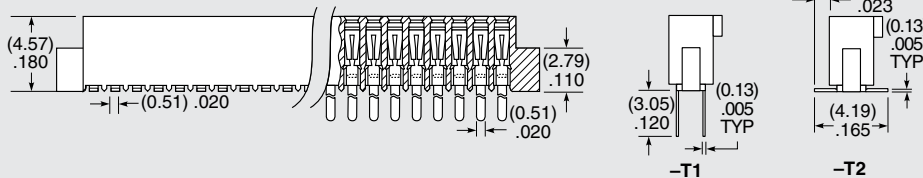
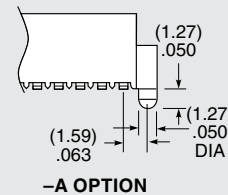
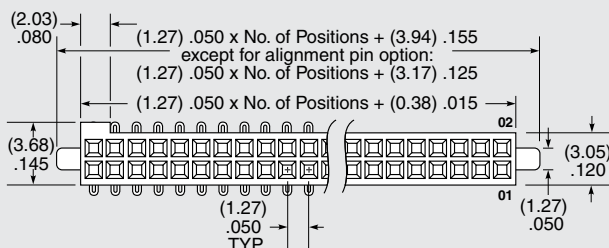
## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



FILE NO. E111594

SFC	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	D	OPTION
		04, 05, 10, 15, 20, 25, 30, 35, 40, 45, 50 (Standard sizes)	-T1 = Through-hole Tiger Eye™ LITE -T2 = Surface Mount Tiger Eye™ LITE	-F = Gold flash on contact, Matte Tin on tail -L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail		-A = Alignment Pin -K = (4.00 mm) .157" DIA Polyimide film Pick & Place Pad -TR = Tape & Reel (-T2 only) -FR = Full Reel Tape & Reel Packaging (Must order max. quantities per reel. Contact Samtec for parts per reel) (-T2 only)



ALSO AVAILABLE (MOQ Required)

- Other sizes

**Note:** Some sizes, styles and options are non-standard, non-returnable.

Due to technical progress, all designs, specifications and components are subject to change without notice.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.